

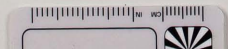
AIM Ann Report
1935 to 1936

ANNUAL REPORT
OF THE
AUCKLAND
INSTITUTE
AND MUSEUM
1935-36



Adopted at the Annual General
Meeting held on 27th May, 1936,

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AUCKLAND
1936.

Staff of the Museum.

Director	GILBERT ARCHY, O.B.E., M.A., F.R.S.N.Z.
Hon. Numismatist	J. C. ENTRICAN.
Hon. Curator of English Coins ..	C. REGINALD FORD, F.R.I.B.A.
Hon. Curator of Oriental Collections	CAPTAIN G. HUMPHREYS- DAVIES.
Assistant Director	R. A. FALLA, M.A.
Botanist	LUCY M. CRANWELL, M.A.
Conchologist and Palaeontologist ..	A. W. B. POWELL.
Ethnologist	V. F. FISHER.
Junior Ethnologist	OLWYN M. RUTHERFORD.
Associate Geologist	C. W. FIRTH, M.Sc.
Librarian	M. C. CLELAND.
Bookkeeper and Typist	MURIEL PORTER.
Recorder and Typist	DOROTHY HESSELL.
Mechanic	EDWIN LEECE.
Taxidermist	C. W. DOVER.
Cabinetmaker and Joiner	FRANK QUAYLE.
Custodian	W. HAWKE.

Attendants:

J. L. DAVY, D.C.M., E. PIERARD, M. HOLDSWORTH, J. STEWART,
E. W. THOMPSON.

OFFICERS
OF THE
AUCKLAND INSTITUTE
AND
MUSEUM
1936-1937

President:

SIR CARRICK ROBERTSON, F.R.C.S.

Vice-Presidents:

PROFESSOR H. W. SEGAR, M.A., F.R.S.N.Z.

SIR CECIL LEYS.

MR. A. T. PYCROFT.

Council:

DR. HOLBROOK A. CHATFIELD. MR. F. CROSSLEY MAPPIN.

MR. J. C. ENTRICAN.

MR. H. C. McCOY.

MR. W. A. FAIRCLOUGH.

MAJOR-GEN. SIR GEO. RICH-
ARDSON, K.B.E., C.B., C.M.G.

MR. C. R. FORD, F.R.I.B.A.

MR. W. GOODFELLOW.

SIR JOSEPH SMITH, C.I.E.

MR. A. H. JOHNSTONE, K.C.

PROFESSOR A. P. W. THOMAS,
M.A., F.L.S., F.R.S.N.Z.

MR. A. G. LUNN.

Representatives of the Auckland City Council:

HIS WORSHIP THE MAYOR, ERNEST DAVIS, Esq.

MISS ELLEN MELVILLE. MR. E. F. ANDREWS.

MR. N. V. DOUGLAS.

Representatives of Local Bodies:

MR. S. DONALDSON.

MR. S. W. HOUSE.

MR. J. C. RENNIE.

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PROFESSOR A. P. W. THOMAS,

MR. V. J. LARNER.

Chairman.

SIR CECIL LEYS.

MR. E. ANDERSON.

MR. A. G. LUNN.

Director:

GILBERT ARCHEY, O.B.E., M.A., F.R.S.N.Z.



TAURAPA: CARVED STERNPOST FOR A WAR CANOE.
Presented by Mr. F. Crossley Mappin.

Reports to Members.

President.

On behalf of the Council, I submit the sixty-eighth Annual Report, in which will be briefly indicated the activities of both the Institute and the Museum and the contributions they are making to research and education in the community.

Membership.—The membership is 541, the same as last year, 34 names having been removed by death, resignation or deletion, and the same number of new members elected; of these 10 were life members and nine annual members also paid life membership subscriptions. Our thanks are tendered to Mr. H. E. Vaile for his perseverance in increasing the life membership; as well as for his successful representations which secured for the Museum a grant from art union funds.

Obituary.—I record with regret the death during the year of Sir James Coates, Messrs. A. J. Entrican, A. L. Foster, L. T. Griffin, J. H. Jackson, W. B. Leyland, H. G. Seth Smith, E. C. Shepherd, T. Simson, F. Smith and F. Wilks.

The Council records its appreciation of the valuable services of Mr. A. J. Entrican, who was both a city representative on our Council for over fifteen years and an active member of the War Memorial Committee.

Mr. L. T. Griffin, Assistant Director, who died suddenly last August, had served the Institute and Museum for over twenty-five years. The feelings of members will, we know, be in full accord with the resolution inscribed in the Council Minutes: "That the Council records its deep regret at the death of the Assistant Director, Mr. L. T. Griffin, and places on record its high appreciation of his 27 years faithful and efficient service to the Institute and Museum, and of his valuable contributions to the study of the natural history of the Dominion. The Council desires to express to Mrs. Griffin its very sincere sympathy in her loss."

Council.—Eight meetings of the Council were held. Mr. W. Goodfellow was elected to the Council at the Annual General Meeting, and the Council also had the pleasure of welcoming its first lady member, Miss Ellen Melville, a City Council representative.

Members will assuredly wish to join me in congratulating Professor Thomas on the completion of fifty years' membership of the Council and in expressing to him our appreciation of his long and

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distinguished services, not only to the Institute, but also to science and education generally in the Dominion.

Hearty congratulations are extended to our fellow member and erstwhile member of the Council, Dr. Peter Buck, on his appointment as Director of the Bishop Museum.

Special activities by members of the Council include honorary curatorship by Mr. Ford and Mr. Entrican, and another successful expedition organised by Mr. Mappin whereby further individual moa skeletons were added to our collections.



MR. L. T. GRIFFIN, F.Z.S.

Staff.—Mr. Falla has been appointed Assistant Director and Mr. Fisher has been appointed Ethnologist, while Captain G. Humphreys-Davies has kindly accepted the Honorary Curatorship of the Oriental Collections. Miss Cranwell was granted leave of absence to attend the Empire Botanical Conference and the International Congress of Botany, and to undertake special research in Sweden.

The Council received with regret the resignation of Attendant E. Purdom on account of ill health.

Finance.—Revenue, £8,653, was approximately the same as last year and again included generous donations for the acquisition of specimens. Expenditure at £8,257 was slightly less than last year.

There is a slight improvement in both the amount of interest due (£320) and subscriptions in arrears (£54), but a still further improvement is much to be desired.

The increase in Institute expenses is due to the greater number of lectures arranged, to the levy for the Transactions, and to the transfer of subscriptions to the Cockayne Memorial Fund. General maintenance is higher, but is offset by reductions in expenditure on the Library, specimens and publications.

The balance in the working account includes the Art Union grant for the purchase of specimens. The "working balance," £1,260, provides no more than the necessary "supply" for expenditure in April and May, months during which we have no revenue.

Anzac Day and Armistice Day.—Major-General Sir George Richardson and the Director represented the Council at these Services at the Cenotaph. On both occasions the Hall of Memories was visited by a large number of citizens. The placing of flowers on the shrine in the Hall of Memories has been the constant care of a soldier's mother since the opening of the Memorial.

Public Affairs.—The Council has continued its active advocacy of the preservation of native forest and the protection of native bird life; it has also been especially concerned for the preservation of the native bush on Rangitoto Island and the maintenance of this reserve as a public domain.

Members attended the New Zealand Science Congress at Dunedin and appreciated the excellent organisation of this valuable meeting by our southern colleagues. Of similar interest is the New Zealand meeting of the Australian and N.Z. Association for the Advancement of Science to be held in Auckland in January. We confidently anticipate the full and active co-operation of members and of the citizens of Auckland to ensure the success of this important meeting.

The educational work carried out under a much appreciated arrangement kindly made by the Director of Education ceased in December through Mr. Jones' return to full-time duty at the Training College. So successfully has Mr. Jones demonstrated the value and importance of museum school-service that provision for the

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full-time service of a teacher seems almost imperative. Even if such provision should become available from the Carnegie Corporation grant for extended Museum services, it would provide for only one or two years, and the position must ultimately be faced. It is, therefore, much to be hoped that the fine results already achieved and so keenly appreciated by the Education Board and teachers may encourage private endowment of the educational services of the Museum.

Museum.—The attendances during the year total 440,951; it may be noted that, in addition to the general public appreciation thus indicated, individual interest is being found by an increasing number of visitors either in assisting with the flower show and special exhibitions, in study, or membership of clubs promoted or assisted by the staff.

Among the many gifts received are two fine examples of naval craftsmanship. The first is a splendidly carved *tau rapa* or stern post of a Maori war canoe presented by Mr. Mappin; it is quite the finest in our collection. The other is a water-line model of H.M.S. New Zealand presented by the Admiralty. We are indebted to Admiral Blake for his interest in furthering the request, originally made by Mr. Lunn, for a model of the battle cruiser. We have also to acknowledge a much appreciated grant of £500 from Art Union funds allotted by the Minister for Internal Affairs for securing ethnographical specimens.

The Native Spring Flower Show, arranged by Mr. J. Kealy and his friends, an extensive Shipping Exhibition, organised by Mr. Falla, and a third Exhibition of Chinese Art, provided very successful special attractions for the public. Many donors again gave prizes for the children's competitions, and individual helpers gave welcome assistance; the Ship-Lovers' Society, the Union Steamship Company and the N.Z. Shipping Company gave most generous help in supplying models for the Shipping Exhibition, and we again cordially thank Captain Humphreys-Davies not only for lending and arranging his oriental treasures, but also for writing and helping to publish a Guide to the exhibition.

My concluding duty as President is the pleasant one of recording the Council's and my own appreciation of the work performed by the Director and staff. Such whole-hearted work can only be accomplished when service to the community is the lode star.

A. T. PYCROFT.

Chairman, Trust Board.

There have been five meetings of the Trust Board during the past year.

A satisfactory increase is again to be noted in the Life Members' Subscription Account, which is now £2,382.

Further conversions of Local Body debentures to lower rates of interest were effected, and arrangements were made with certain mortgagors for small weekly payments to meet arrears in interest and rates. The total amount in arrears has been reduced from £404 to £320. For the most part interest payments were well maintained.

The total invested funds now amount to £29,814.

A. P. W. THOMAS.

Director.

Institute Meetings.—A much augmented series of Monday evening lectures, both by our own members and by visitors from other centres and from abroad, provided an interesting and enjoyable session, and the high average attendance, 275, affirms the members' keen appreciation of the kind services of our lecturers. The lectures were:—

Dr. P. H. Buck, D.S.O.—“The Maori Polynesian.”

Mr. C. W. Firth, M.Sc.—“The Geology of Auckland Scenery.”

Dr. L. A. Spedding.—“Nature's Warnings in Disease.”

Mr. W. R. McGregor, M.Sc.—“Jungle Venom.”

Professor F. P. Worley, D.Sc.—“Chemical Detection and Estimation of Minute Quantities.”

Captain G. M. Turner.—“Round the West Coast Sounds.” “Over the Milford Track.”

Captain G. M. Turner.—“Stewart Island as a Bird Sanctuary.”

Miss E. K. Morton.—“Fiordland Round Trip: Lake Manapouri; Bradshaw Sound; Doubtful Sound.”

Mr. W. C. Davies, F.R.P.S.—“Photography in the Service of Science by Visible Rays.”

Mr. W. C. Davies, F.R.P.S.—“Photography in the Service of Science by Invisible Rays.”

Mr. A. Greville Walker, M.Inst.C.E.—“New Zealand Low Grade Ore Deposits and Their Possible Development.”

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Mr. Bertram Thomas (in conjunction with the Auckland University College).—"The First Crossing of the Great South Arabian Desert."

At two of the three ordinary meetings the papers were arranged by the Anthropology and the Astronomical Sections. Papers were contributed by Professor Bartrum, Mr. A. C. Gifford, Mr. A. W. B. Powell, Mr. V. F. Fisher, Mr. R. A. Falla, Mr. A. Porter and Mr. F. Womersley.

Sunday Afternoon Lectures.—Despite a succession of wet Sunday afternoons, keen public interest was maintained in this series, for which we have to thank the following lecturers for their generous assistance in the Museum's educational programme:—

Mr. H. Binsted.—"Native Life in the Northern Atolls of the Cook Islands."

Professor J. A. Bartrum, M.Sc., F.R.S.N.Z.—"Volcanoes."

Captain G. M. Turner.—"Birds of Stewart Island."

Mr. A. W. B. Powell.—"How Shellfish Feed."

Professor A. Wall, M.A.—"Alpine Plants of New Zealand."

Mr. C. W. Firth, M.Sc.—"Earth Movements."

Mr. R. A. Falla, M.A.—"Flight of Birds."

Dr. C. W. Parr.—"A Visit to Some Chinese Temples near Peking and the Ming Tombs."

Mr. D. M. Rae, M.A.—"War Scenes Revisited."

Miss M. Crookes, M.A.—"Hypnotism and Suggestion."

Mr. Forbes Eadie.—"The Log of the Mermaid."

The average attendance was 172.

Astronomical Section.—The Astronomical Section has now been in active operation for thirteen years. During the past year eight meetings were held, at which lectures were given by Professor P. W. Burbidge, Mr. L. G. Wilson, Mr. C. H. Hinton, Mr. A. D. Harris, Dr. D. Brown, Mr. I. L. Thomson, and Mr. R. A. McIntosh. These meetings were well attended by the general public, as well as by members of the Society.

The Observatory has been open on fine Tuesday evenings throughout the year, and many members and their friends have availed themselves of the opportunity of observing interesting objects of the evening sky. The telescope is in good order.

An observing circle has recently been formed for the purpose of carrying out proposed schemes of observational work.

The thanks of the Section are due to the University College Council and Professor Burbidge for the continued use of the telescope.

Anthropology and Maori Race Section.—During the past year the membership of the Section has increased to 50.

Interest continues in this branch of the Museum's activities, as proved by the consistent attendance of members and their friends.

Addresses or papers were given by Surgeon-Commander R. Buddle, Mr. H. Binsted, Mr. W. Dale, Mr. V. F. Fisher, Mr. Geo. Graham, Mr. A. D. Mead, Mr. A. Porter and Mr. Jas. Rukutai.

The special feature of the year was the demonstration by the Boys' Ethnology Club. This year the subject was "Primitive Loom Weaving," and an excellent exhibition was greatly appreciated by members.

Three successful field days were held at Mt. Victoria, Mangere, and at Whatipu (Manukau Heads).

The Officers of the Section were Mr. Geo. Graham, Chairman; Mr. Allen Porter, Hon. Secretary and Treasurer; Miss O. Adams, Miss O. M. Rutherford, Mr. G. R. Brookes, Mr. Alex. Geddes, Mr. E. Howard, Committee; Mr. J. G. Restell, Hon. Auditor.

Additions to the Collections.—The sixth moa collecting trip undertaken by Mr. Mappin, Sir Carrick Robertson, the President and the Director secured among individual sets of bones a complete skeleton of *Anomalopteryx parvus*, in perfect condition. Additional moa material, including individual sets from Doubtless Bay, has been given by Mr. E. T. Frost. Two other important gifts to the natural history departments are a collection of selected rock and mineral specimens presented by Dr. P. Marshall, and a large collection of deep water dredgings, from Miss M. K. Mestayer.

Individual gifts to the Maori Section are reported by Mr. Fisher; in addition we have secured by purchase an extensive South Island collection. Dr. and Mrs. Buck have added to their previous gifts of Maori and Polynesian specimens, and other noteworthy accessions are antiquities from Tel el Amarna given by the Egypt Exploration Society, pottery and Flaxman plaques from Messrs. Josiah Wedgwood, Ltd., two Graeco-Roman mummy-portraits deposited by Mr. Richard Hoffman, a grandfather clock given by Miss Sarah Campbell, and the New Zealand ensign carried in the Victory March in London, presented by Sir James Gunson.

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Exhibition.—Miss Cranwell's absence itself showed the botanical interest she has created, in that the Cheeseman Memorial Native Spring Flower Show was admirably organised and arranged by a party of her friends, under the able leadership of Mr. J. Kealy.

Such opportunities for active participation in Museum work are, we are sure, thoroughly enjoyed by those taking part; moreover they develop a wider interest in and a deeper understanding of the Museum's activities.

Similarly we were glad to welcome the active assistance of the Auckland Society of Shiplovers, as well as the most generously given help of the Union and the New Zealand Shipping Companies, the Marine Department and the Harbour Board in the organisation of the Shipping Exhibition. This exhibition, which demonstrated both the history of shipping in New Zealand and the extent of the present day shipping industry and its associated activities, attracted large numbers of interested visitors during a period of two months. The exhibition was opened by the Mayor, and the members of the contributing local bodies attended. Prizes won in the children's competitions and the flower show were also presented by the Mayor on this occasion.

The progress made in the permanent display is mentioned in the staff reports. I need only refer to the much improved displays in the Polynesian and Melanesian sections in which appropriate wall-paper backgrounds have been introduced, the rearrangement of the greenstone ornaments, a display of the economic uses of the Spurge family by Miss Cranwell, and the decorative arrangement of the birds of paradise against a formal background as an experiment to meet the limitations of shallow cases.

The use of wallpapers and specially designed formal backgrounds, either separately or in association, offers an interesting field for experiments in display methods, especially when combined with an endeavour to achieve some decorative or arresting effect in the arrangement of the specimens themselves.

Botanical Department.—During her trip abroad Miss Cranwell attended both the Imperial Botanical Conference in London and the International Botanical Congress at Amsterdam. She has visited museums, herbaria and botanical gardens in England and Scotland, and in France, Belgium, Holland, Germany, Norway and Sweden. Extended leave granted by the Council for special research at Stockholm enabled her to become familiar with the intricate technique of swamp study through pollen analysis of peat deposits, and a joint paper with Dr. Lennart von Post on "Pollen

Diagrams from the Southern Hemisphere, I. New Zealand" is appearing in Geografisker Annaler. Miss Cranwell also delivered ten lectures in Sweden.

General.—Ten scientific papers have been completed by the staff during the year. The first volume of the "Records" was completed by the issue of No. 6 in July, and contained the following papers:—

Mr. V. F. Fisher.—"The Material Culture of Oruarangi. II. Fish Hooks."

Miss L. M. Cranwell and Miss L. B. Moore.—"Botanical Notes on the Hen and Chickens Islands."

Mr. R. A. Falla.—"Notes on Penguins of the Genera *Megadyptes* and *Eudyptes* in Southern New Zealand."

Mr. A. W. B. Powell.—"Tertiary Mollusca from Motutara, West Coast, Auckland."

Numerous enquiries were answered during the year, those recorded being over 3,000, and 106 public lectures and broadcasts were given (Miss Cranwell 19, Mr. Falla 31, Mr. Powell 22, Mr. Fisher 17, Mr. Jones 13, the Director 13). New cinema films and lantern slides are constantly being added to the collection, and their use in schools and societies is rapidly increasing. Although we have no guide lecturer who might conduct parties of visitors around the Museum, special arrangements were made for receiving parties of, for instance, passengers from tourist liners or visiting school teachers.

With regard to the school service I can only refer to the report supplied by Mr. Jones. This is necessarily a very brief account of a most successful and valuable activity, and members are invited to read the full report which will be sent to those who desire it.

I cannot conclude without expressing both for myself and on behalf of the members of the staff, our deep regret at the death of our colleague, Mr. Griffin, and of the loss we have thereby suffered of so friendly and genial a fellow worker.

GILBERT ARCHEY.

Assistant Director.

In the collections of vertebrate animals, exclusive of fishes, there have been the following additions: 7 mammals, 114 birds, 12 reptiles and 6 amphibians; species new to the collections are included in all the groups. Thirty-four of the birds are foreign or imported species, and of the remaining eighty native birds sixty were pre-

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sented in the form of skins prepared many years ago, thirteen were game-birds or seabirds washed ashore, and seven were collected under permit from the Hon. Minister of Internal Affairs. Especially noteworthy is the collection of 55 skins presented by Mrs. T. Smith, of Birkenhead, and a spine-tailed swift found by Mr. N. A. Clifton, Jr., of Mokau.

Many gifts have enriched the insect collection, particularly the good series of beetles given by Mr. E. T. Fairburn, of Whangarei, and moths and butterflies by Mr. S. D. Potter. Accommodation for the growing collection of insects is still limited, but congestion has been relieved by the complete re-arrangement of the specimens undertaken by Mr. C. Geissler, from whom were purchased small but valuable series of dragon-flies and wetas.

Most of the work in the exhibition halls has consisted of improving the labelling and backgrounds of the specimens already displayed and the replacement of faded specimens with fresh ones. An experiment in display has been carried out in the Hall of Foreign Natural History, where Miss H. Wiseman has prepared a design for a case-background, and specimens of Birds of Paradise have been arranged to give a purely decorative effect. A natural habitat group of pheasants has been arranged in the case originally occupied by the Birds of Paradise.

The special Shipping Exhibition held in October and November involved several weeks of full-time attention, and some of the models then lent have been left on deposit and are exhibited in the War Section and elsewhere.

No extensive field work has been done during the year, but a considerable time has been spent in the field on behalf of the Auckland Acclimatisation Society. Advantage has been taken of this to make some further cinema films of waterfowl.

Material for three new films is now awaiting editing and titling, and it is satisfactory to record an increasing interest in this branch of the Museum's activity. The films have been in constant demand and use, and arrangements for the regular distribution of seven of them are undertaken by the Visual Educational Association. The making and loan of lantern slides has been continued, sets having been on loan in Auckland and as far afield as the Chatham Islands.

A paper on the Penguins of Southern New Zealand was published in part 6 of Volume 1 of the Records of the Auckland Institute and Museum, and another paper on Birds in Relation to Fisheries was prepared and read at the Royal Society of N.Z. Congress in Dunedin. In March, 1935, the preparation of a report on

the birds collected during the Mawson Expeditions of 1911-14 and 1929-31 was commenced. This was finally completed in March, 1936.

Thirty-one public lectures were given during the year, including three broadcast talks in the Educational Sessions from 1YA. Eight classes were held for the pupils of the Jubilee Institute for the Blind, and a Boys' Natural History Class was held weekly. 1,140 enquiries have been attended to during the year.

R. A. FALLA.

Education and School Service.

During 1935 the Education Officer was able to devote only week-day afternoons to Museum educational work. Nevertheless, almost all former work was continued, and some new activities added.

During the year there were 33 museum cases and 12 boxes of specimens available for distribution to schools. All were made full use of, and others are being made by the Museum staff as opportunity offers. Sixty-one primary and secondary schools were provided with cases and boxes, the cost of transport in the case of city and suburban schools being met by the Auckland Education Board, the other schools making their own arrangements. The schools served in this way ranged from Whangarei in the north to the Bay of Plenty in the south. Headmasters and teachers speak highly of the value of the cases, and there is no doubt that this work is capable of considerable extension.

An important branch of the Museum educational work comprised visits to the Museum by school classes. These classes were taken round the Museum by the Education Officer, each paying a visit to a particular department; they were also shown educational films and lantern slides. During the year 112 classes, comprising 4,891 children, visited the Museum, making a total of 268 classes and 11,459 children for the two years during which the Education Officer has been at the Museum. Some classes paid as many as five visits, dealing with a different subject, and visiting a different Museum department on each occasion. In this connection the work of an Education Officer attached to the Museum staff is particularly valuable, as teachers in the schools have neither the time nor the opportunity to familiarise themselves sufficiently with the various departments of the Museum. Eleven different departments were available for this work, and material from the Museum study collections was used to illustrate lessons. Without exception visiting children have been well behaved; they have been interested and

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obviously pleased to come to the Museum. Teachers have co-operated enthusiastically in this work, which with a little organisation could also be considerably extended.

Talks and nature-study lessons were given in the schools, and frequent visits to the Museum by teachers have made them better aware of the use they can make of the Museum in their teaching.

A winter course of ten illustrated Sunday afternoon lectures was organised. The attendances at all these lectures, in spite of unfavourable weather on a few occasions, were excellent, the Museum Library being overcrowded on each fine afternoon.

The Education Officer gave 8 lectures to adults, including a lecture on Museum Educational Work to the Auckland Headmasters' Association.

Five children's clubs, with a total membership of 66, have been in active operation. These clubs are conducted by members of the Museum staff, and meet outside school hours. The work is essentially practical and individual, and hence membership of the clubs is limited. Also junior and senior classes of children from the Blind Institute have attended the Museum regularly in alternate weeks for nature-study work.

The customary two competitions for school children were held. The six Cheeseman Memorial prizes were given for natural history displays and drawings, and a still further improvement in the standard of entries was noticeable. Sixty-four entries were received for the Cheeseman Memorial Native Flower Show competition, for which 16 prizes were kindly given by members of the Institute. It is most encouraging to see the Museum thronged with small competitors with their friends and parents on these occasions.

Besides using films and lantern slides for classes visiting the Museum, the Museum has available for loan to schools 10 films and several hundred lantern slides arranged in sets. During the year films were sent out to schools equipped with projectors on 26 occasions, and 5 sets of slides were similarly sent. There is also a great deal of museum material available for loan.

Special lectures to school children were arranged in connection with two of the Special Exhibitions, i.e., the Spring Flower Show, and the Shipping Exhibition.

Two members of the Museum staff and the Education Officer have co-operated in educational broadcasting, preparing notes for the broadcasting booklet, and giving three series of talks.

It is obvious that only a beginning has been made in museum educational work. All of the above activities are capable of extension, some very considerably, and a good deal of new work suggests itself.

E. G. JONES.

Conchologist and Palaeontologist.

Steady progress has been made with the display and reference collections of mollusca, fossils, marine invertebrates and fishes.

Three new displays have been completed, one in the shell gallery dealing with the octopus and its allies; another in the New Zealand Geology Hall, "The Mesozoic Era in New Zealand"; and a third in the fish gallery, the latter being an attempt to show the specimens against a conventionalised under-water background of wall paper.

A large number of accessions were recorded, some of the outstanding items being: A very vividly coloured species of starfish, *Asterodiscus*, from 29 fathoms off Hen and Chicken Islands, presented by Mr. N. Kokich; a star-gazer fish new to the New Zealand fauna, *Halieutaea brevicauda*, from off White Island, presented by Sanford's Ltd.; numerous deep water dredgings from off Otago Heads and Cape Campbell, presented by Dr. P. Marshall; a large series of deep water dredgings rich in new material from a wide range of localities off the New Zealand coast and abroad, presented by Miss M. K. Mestayer; a collection of Devonian fossils from Reefton presented by Mr. F. H. McNeil, Geophysical Survey, Reefton; extensive molluscan material collected during field trips to the Chatham Islands in March, 1936, and dredging trials in various localities in the Hauraki Gulf.

The identification and labelling of the reference collection of mollusca has proceeded steadily, 2,271 being done during the year, bringing the total of named species to 17,630.

Extensive indexing of molluscan systematics has proceeded during the year, this work being facilitated by a very detailed manuscript check-list lent by Dr. H. J. Finlay, of Dunedin.

Twenty-two lectures were given during the year, and ten classes were held for children from the Institute for the Blind. Also twenty meetings and four field trips of the "Museum Conchology and Marine Natural History Club" were held, the average attendance at the evening meetings being 19.

Two papers have been completed during the year:—

"Tertiary Mollusca from Motutara, West Coast, Auckland"—Rec. Auck. Inst. Mus.

"Mollusca Dredged in New Zealand Waters by the Royal Research Ship, Discovery II."—Discovery Reports (London).

Also two papers were given at the Fifth Science Congress of the Royal Society of New Zealand held at Dunedin in May:—

"Recent Ecological Research Applied to the Study of Tertiary Faunules."

"Distributional Problems of the Larger Land Snails of New Zealand."

Further progress has been made with the ecological survey of the Waitemata Harbour, last year's work dealing mainly with the food cycle of the snapper.

Part six, completing volume one, of the Records of the Auckland Institute and Museum has been published with index.

Enquiries for the year number 703, many of which entailed the identification of large series of specimens.

A. W. B. POWELL.

Ethnologist.

The collections have been augmented by the addition of 2,225 specimens. Of especial interest were a small carved slab presented by Messrs. F. Pardoe and T. Revell Reynolds, and a decorated fishing sinker presented by Mrs. Sheppard. Mr. C. C. Munro presented a very fine wooden *kumete* or food bowl. An excellent specimen of a *parang* from Borneo was presented by Mr. T. J. H. Speedy, and three Russian Ikons and also paintings by Surgeon-Commander R. Buddle, R.N. A number of Australian specimens were presented by Mr. A. Rawson and deposited by Rev. A. J. Seamer.

Important rearrangements and additions were made to exhibits in the Fijian, Samoan, Tongan and Gilbert Islands sections by Miss O. M. Rutherford.

An exhibit illustrating the manufacture of Maori bone one-piece hooks and five others showing typical one-piece hooks and compound hooks were installed in the Maori Hall. A number of Ngati Awa and Ngati Toa tribal heirlooms were displayed in two panels. Minor rearrangements were carried out in other cases in the Maori section, necessitating alterations and labelling.

The Boys' Ethnological Club," which had a membership of 21, held 39 meetings and one field day. A demonstration of "Primitive Loom Weaving" was given at a meeting of the Anthropology Section. Fourteen members attended a nine days' camp at Mercury Bay, when opportunity was taken of examining old *pa* sites, acquiring information concerning Maori customs, and the members also carried out archaeological investigations, as a result of which a number of specimens were presented to the Museum.



BOYS' ETHNOLOGICAL CLUB EXCAVATING MAORI WORKSHOP
DURING CAMP ON COROMANDEL PENINSULA.

Thirteen lectures were delivered, and eight classes held for children from the Institute for the Blind. A series of lectures was given at the W.E.A. Summer School, held at Hunua. Parties from various organisations were also conducted through the Maori Court. Schools, Church Societies, Scouts, Clubs and private individuals borrowed specimens to illustrate lectures and demonstrations. There are now 1,000 lantern slides in this department available for lecture purposes, for which it is satisfactory to record a steady demand. The collection includes sets illustrating Maori, Polynesian, Melanesian, Micronesian, Egyptian and Chinese primitive life, besides a fine series on general anthropology.

The study collections in the research room have received considerable attention. A more detailed classification is proceeding steadily. Maori fishing sinkers, carvings, bone specimens and beaters have been treated in this manner. The Melanesian section has also been improved, thanks in large measure to the honorary assistance of Mr. G. O. Adams. The removal of the collection of china and the objects illustrative of the older civilisations from the research room has made more space available for Melanesian material.

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The research room continues to attract students, especially from scientific institutions. Several notable workers have made use of the facilities offered. Routine work involving the care and preservation of specimens was carried out. An exchange of specimens was arranged with the Otago, Wanganui, Australian and Batavian Museums. It is hoped to extend the system of exchange of specimens between Museums in the coming year.

Research took place in the field at Mercury Bay, Hikutaia and the West Coast. Attendance at the Royal Society's Science Congress held in Dunedin, at which a paper was delivered, gave opportunity for some study of the ethnographical collections in the Otago University Museum. The material in the Wanganui and Taranaki Museums was also studied, and some assistance given to the former in the identification of Polynesian and Melanesian specimens.

A paper, "The Material Culture of Oruarangi, Matatoki, Thames, II. Fish-Hooks," was published in Volume I. No. 6, of the Museum Records.

Personal interviews for information amounted to 368, in addition to numerous enquiries by telephone and correspondence.

V. F. FISHER.

Associate Geologist.

During the year a six panel display dealing with New Zealand's goldmining industry has been completed. This display includes one general panel covering the industry as a whole, two panels giving general details of our Hauraki goldfield, and three panels describing in detail the more important centres—Coromandel, Kauotunu, Thames, Waitekauri, Komata, Karangahake and Waihi—of the latter field. In all cases maps, diagrams or photographs have been liberally used in conjunction with selected specimens.

Work is now proceeding on a similar display to cover our coal-mining industry. Special reference will be made to Auckland coalfields.

The Russell collection of between 300 and 400 specimens from the Hauraki goldfield has been re-sorted, and those specimens not required for display purposes have been suitably classified and stored.

Twenty-three enquiries involving the identification of 60 rock and mineral specimens have been dealt with during the year.

Collecting trips to points of interest in Manukau and Franklin Counties have been undertaken with a view to further completing the collection of specimens dealing with local geology.

A most valuable group of some 40 rock and mineral specimens, including types not previously represented in our collections, has recently been obtained from Dr. Marshall. This group includes several striking specimens of typical and rare rocks of the Sounds district of the South Island, and also specimens of value in completing our displays.

C. W. FIRTH.

Library.

The Library expenditure has been £373, of which £168 was for the purchase of books, £145 subscriptions to periodicals, £54 for binding, and sundries £6.

One hundred and fifty-four books purchased, 53 presented (including an extensive series of the Journal of the Linnean Society, given by Professor Thomas) and 80 bound periodicals comprise a total of 287 volumes added to the shelves.

Numerous exchanges have also been received for the "Records," and the binding of these presents an accumulating problem.

I wish to acknowledge the kind help of Mr. E. W. F. B. L. Hendricks in close-cataloguing and cross-indexing the Philosophy section.

Both in general reading and in reference, increased use is being made of the Library, and the customary reciprocal assistance has been given to research workers in other centres.

MARSHALL C. CLELAND.

The following
Periodicals and Publications of Societies

are subscribed to by the Institute:

NATURE.
DISCOVERY.
SCIENCE PROGRESS.
REPORT OF THE BRITISH ASSOCIATION FOR THE
ADVANCEMENT OF SCIENCE.
TRANSACTIONS AND PROCEEDINGS OF THE ROYAL
SOCIETY.
COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES
SCIENCES.
NEW ZEALAND JOURNAL OF SCIENCE AND TECHNOLOGY.
THE MUSEUMS JOURNAL.
THE PHILOSOPHICAL MAGAZINE.
THE AMERICAN JOURNAL OF SCIENCE.
THE PHYSICAL REVIEW.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL
SOCIETY.
JOURNAL OF THE CHEMICAL SOCIETY.
ARCHIV DER PHARMAZIE.
MONATSHEFTE FUR CHEMIE.
THE INDUSTRIAL CHEMIST.
THE GEOLOGICAL MAGAZINE.
QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY.
THE GEOGRAPHICAL JOURNAL.
ANNALS AND MAGAZINE OF NATURAL HISTORY.
ANNALS OF BOTANY.
JOURNAL OF BOTANY.
DAS PFLANZENREICH.
TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL
SOCIETY.
THE ZOOLOGICAL RECORD.
PUBLICATIONS OF THE RAY SOCIETY.
THE IBIS.
MAN.
JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE.
ANTIQUITY.
JOURNAL OF EGYPTIAN ARCHAEOLOGY.
OCEANIA.
JOURNAL OF THE POLYNESIAN SOCIETY.
TE WANANGA.
ART IN NEW ZEALAND.
MIND.
THE ECONOMIC JOURNAL.
THE ECONOMIC RECORD.
JOURNAL OF THE STATISTICAL SOCIETY.
QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL
SOCIETY.
THE JOURNAL OF ECOLOGY.
MANKIND.
COUNTRY SIDE.
THE GEOGRAPHICAL MAGAZINE.

The Auckland Institute and Museum is an educational institution which gives free service to the whole community throughout the year.

Money is urgently needed to widen its activities and increase its service to the community by the spread of knowledge among present and future citizens.

If additional help cannot be given now, a bequest would be of great value.

Form of Bequest.

I give and bequeath to the Institution known as the Auckland Institute and Museum the sum of £..... free of succession or estate duty to be applicable for the general purposes of such Institution. And I declare that the receipt of the Treasurer or the proper officer for the time being of such Institution shall be a sufficient discharge for the same.

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During the Year Ended 31st March, 1936.

To Balance	£ s. d.	By Salaries and Wages	£ s. d.
" Subscriptions	1,238 1 6	" Insurance	5,327 9 7
" Subscriptions in Advance	368 15 0	" Library Expenditure	44 17 3
" Life Members	11 0 6	" Institute Expenses	373 19 6
" Interest—	199 10 0	" Specimens—	149 8 9
Mortgage	1,113 7 9	Purchase	365 5 8
Debiture	386 4 0	Collecting and Travelling Expenses	139 10 6
Inscribed Stock	8 4 0	" Preserving and Display Expenses	162 9 3
New Zealand Insurance	10 14 9	" School Services Publications	204 8 1
Post Office Savings Bank	29 3 9	" School Prizes	5 18 5
" Contributions from Local Bodies	5,700 0 0	" General Maintenance	506 16 10
" Sundry Receipts	47 10 6	" Buildings—	
" Donations	598 16 8	Maintenance	74 9 0
" Receiver Land Revenue—Rent	34 0 1	" Sundry Expenses	37 8 3
" Receiver Land Revenue—Sales	26 2 5	" Show Cases and Furniture	92 17 7
" Contributions Specimen Purchase	91 1 6	" Auckland Museum Maintenance Amendment Act, 1931 (Sec. 37)—	
" Contributions Shrine Account	28 13 2	Compassionate Allowance re late	30 0 0
		Assistant Director	21 1 0
		Entertainment Expenses	51 1 0
		" Transfers—	
		Building Reserve	200 0 0
		Specimen Reserve	25 0 0
		Life Subscription Account	199 10 0
		Museum Endowment Account	26 2 5
		Specimen Purchase	221 1 6
		Shrine Account	28 13 2
		" Balance	1,634 19 7
£9,891 4 4		£9,891 4 4	

INCOME AND EXPENDITURE ACCOUNT.

	£	s.	d.		£	s.	d.
To Salaries	5,327	9	7	By Subscriptions	425	9	0
.. Insurance	44	17	3	.. Life Members	199	10	0
.. General Maintenance	507	1	4	.. Interest Mortgages and Debentures	1,422	18	0
.. School Services and Education	39	8	4	.. Memorial Hall and Specimen Purchase	119	14	8
.. Institute Expenses	168	12	9	.. Rents R.L.R.	34	0	1
.. Auckland Museum Maintenance Amendment Act, 1931 (Sec. 37)	51	1	0	.. Sales	26	2	5
.. Sundries	37	8	3	.. Contributions from Local Bodies	5,700	0	0
.. Building Maintenance	79	5	8	.. Donations	598	16	8
.. Subscriptions Written Off	64	1	0	.. Sundry Receipts	47	10	6
.. Transfers—				.. New Zealand Insurance	10	14	0
.. Life Subscription Capital Account	199	10	0	.. Post Office Savings Bank	29	3	9
.. Memorial Hall Trust Fund	28	13	2				
.. Specimen Purchase	91	1	6				
.. Depreciation Building	1,090	6	3				
.. Depreciation Furniture	795	1	3				
.. Museum Endowment Account	26	2	5				
.. Balance	153	19	4				
	£8,613	19	1		£8,613	19	1

MUSEUM ENDOWMENT ACCOUNT.

	£	s.	d.		£	s.	d.
To Transfer to Income and Expenditure Account			34	0	1		
.. Balance at 31/3/1936—							
.. Investments	13,657	0	0	April 1st, 1935—By Investments	13,565	0	0
.. Cash at Bank	125	5	8	.. Cash at Bank	191	3	3
	13,782	5	8		13,756	3	3
.. Less Reserve for Depreciation	271	5	5	.. Less Reserve for Depreciation	271	5	5
	13,511	0	3		13,484	17	10
	£13,545	0	4	March 31st, 1936—			
				.. By Receiver of Land Revenue—			
				.. Rents and Interest		34	0
				.. Sales		26	2
						£13,545	0

LIFE MEMBERS' SUBSCRIPTION ACCOUNT.

	£	s.	d.		£	s.	d.	£	s.	d.
To Balance, 31/3/36—				By Balance, 1/4/35—						
Investments	2,056	0	0	Investments	2,056	0	0			
Cash at Bank	326	1	5	Cash at Bank	126	11	5	2,182	11	5
				.. Transfer from Income and Expendi- ture Account				199	10	0
								£2,382	1	5
	£2,382	1	5							

ACCUMULATING ENDOWMENT FUND.

	£	s.	d.		£	s.	d.
March 31st, 1936—				April 1st, 1935—			
To Balance	300	8	7	By Balance	292	0	7
				March 31st, 1936—			
				By Interest	8	8	0
	£300	8	7		£300	8	7

MACKECHNIE LIBRARY BEQUEST ACCOUNT.

	£	s.	d.		£	s.	d.
March 31st, 1936—				April 1st, 1935—			
To Receipts and Payments Account	102	18	0	By Balance	12	11	7
.. Balance	12	18	10	March 31st, 1936—			
				By Interest	103	5	3
	£115	16	10		£115	16	10

SIR JAMES GUNSON TRUST ACCOUNT.

	£	s.	d.		£	s.	d.
March 31st, 1936—				April 1st, 1935—			
To Balance	176	13	10	By Balance	171	11	2
				March 31st, 1936—			
				By Interest	5	2	8
	£176	13	10		£176	13	10

MEMORIAL HALL TRUST FUND.

	£	s.	d.		£	s.	d.
March 31st, 1936—				April 1st, 1935—			
To Balance	187	17	10	By Balance	154	12	3
				March 31st, 1936—			
				By Transfer	28	13	2
				„ Interest	4	12	5
	£187	17	10		£187	17	10

SPECIMEN PURCHASE FUND.

	£	s.	d.		£	s.	d.
March 31st, 1936—				April 1st, 1935—			
To Balance	315	9	2	By Balance	91	13	0
				March 31st, 1936—			
				By Transfer from Sundry Receipts .. .	91	1	6
				„ Special Transfer from Appropriation Account ..	130	0	0
				„ Interest	2	14	8
	£315	9	2		£315	9	2

AUCKLAND INSTITUTE AND MUSEUM.

BALANCE SHEET as at 31st March, 1936.

LIABILITIES.		ASSETS.	
	£ s. d.		£ s. d.
Capital Account	422,093 1 5	Buildings—	
Museum Endowment Account	13,511 0 3	1st April, 1935	218,062 13 2
Reserve for Depreciation of Investments ..	271 5 5	Less Depreciation	1,090 6 3
Life Members' Subscription Capital A/c.	2,382 1 5		216,972 6 11
Gunson Trust Fund	176 13 10	Furniture and Fittings—	
Mackechnie Bequest Fund	12 18 10	1st April, 1935	28,112 16 10
Sundry Creditors	11 12 7	Additions	89 12 7
Subscriptions Paid in Advance	11 0 6		28,202 9 5
Memorial Hall Trust Fund	187 17 10	Less Depreciation	705 1 3
Building Reserve Fund	1,063 16 0		27,497 8 2
Specimen Reserve Fund	104 11 3	Collections—	
Specimen Purchase Fund	315 9 2	1st April, 1935	154,052 6 3
Accumulating Endowment Fund	300 8	Additions	830 10 2
Mitchelson Prize Fund	52 0 0		154,882 16 5
Income and Expenditure Account—		Library Books—	
Balance 1/4/35	393 18 7	1st April, 1935	7,221 7 4
Plus Balance 31/3/36	153 19 4	Additions	373 19 6
	547 17 11		7,595 6 10
Less Appropriation to—		Investments—	
Building Reserve .. 200 0 0		Mortgages	20,092 0 0
Specimen Purchase .. 130 0 0		Debentures	8,166 0 0
Specimen Reserve .. 25 0 0		Inscribed Stock	205 0 0
	355 0 0		29,063 0 0
	192 17 11	Sundry Debtors—	
		Interest	320 1 6
		Subscriptions	55 13 0
		Cash—	
		Bank of New Zealand	858 15 4
		Post Office Savings Bank	2,061 18 5
		Auckland Savings Bank Accounts	1,377 18 5
		Cash in Hand	1 10 0
			£440,686 15 0
	£440,686 15 0		

The Audit Office having examined the Balance Sheet and accompanying accounts, required by law to be audited, hereby certifies them to be correct.

J. H. FOWLER,
Deputy-Controller and Auditor-General.

GILBERT ARCHEY, Treasurer.

List of Benefactions
made to the
Auckland Institute and Museum
of an amount (or value) exceeding £50.

MONETARY GIFTS.

- 1876 Citizens of Auckland subscribed £2,026 towards first Museum building.
1878 Mr. J. C. Firth donated £106 for show cases.
1884 Mr. Edw. Costley bequeathed £12,150.
1887 Mr. David Nathan bequeathed £100.
1897 Mr. T. Russell donated £100 for geological specimens.
1901 Citizens of Auckland subscribed £1,000 for purchase of Mair collection.
1902 Mr. E. A. Mackechnie bequeathed £2,500.
1906 Citizens of Auckland subscribed £662 for purchase of Maori carved houses.
1911 Citizens of Auckland subscribed £684 for ancient Maori carvings.
1913 Sir John Logan Campbell bequeathed £1,000.
1921 Members of Institute subscribed £115 for pair of Temple Bronzes.
1923 Sir Wm. H. Herries bequeathed £1,000.
1924 Citizens of Auckland subscribed £698 for purchase of Maori collections.
1925 Members of Institute subscribed £100 for purchase of a Maori collection.
1926 Mr. David Goldie bequeathed £1,000.
1926 Sir James Gunson Presentation Committee presented £118 for purchase of Maori specimens.
1927 Mr. F. Shaw bequeathed £1,000.
1929 Mr. S. J. Ambury bequeathed £250.
1934 Mrs. R. M. Wilson: £50/10/-. given to establish the Sir Edwin Mitchelson Prize Fund.

SPECIMENS AND BOOKS.

- 1876 Mr. R. C. Barstow: Large collection of Maori articles.
1877 Mr. G. F. Edmonston: 564 volumes of scientific works.
1878 Mr. T. Russell, C.M.G.: 34 casts from the antique.

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- 1879-83 **Mr. J. T. MacKelvie:** 390 books and large ethnographical collection.
- 1887 **Mr. C. O. Davis:** Valuable Maori collection.
- 1901 **Mr. L. D. Nathan:** Japanese Shinto Shrine.
- 1913 **Mr. Henry Shaw:** 62 scientific books.
Mr. F. Shaw: 110 scientific books.
Hon. Sir Edwin Mitchelson: Valuable collection of Kauri Gum and Case.
- 1915 **Dr. C. E. R. Bucknill:** Collection of Old English Glass.
- 1916 **Mr. Henry Shaw:** Collection of Japanese art.
- 1917 **Miss Ruth Northcroft:** Large Maori and Polynesian Collection.
- 1919 **The Misses Yates:** Collection of Indian weapons.
- 1920 **Mr. James Dunning:** Collection of North American Mammals.
- 1921 **Mr. W. A. Aldred:** Valuable collection of Maori specimens.
Hon. J. B. Turner: Large and valuable Fijian ethnographical collection.
- 1923 **Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.:** The Cheeseman Herbarium of native and foreign plants.
- 1924 **Mr. Wm. Sutherland, I.S.O.:** Melanesian ethnographical collection.
Mr. A. C. Caughey: Fijian and New Hebridean ethnographical collection.
Mr. R. A. Meek: Ethnographical specimens from Bismarck Group.
Messrs. Samuel Vaile & Sons: Large collection of Maori greenstone articles.
Sir Cecil Leys: and
Mrs. Selwyn Upton: The Edge-Partington ethnographical collection of over 2,000 specimens, given in memory of their father, Dr. T. W. Leys.
- 1925 **Mr. F. Crossley Mappin:** Valuable Maori and South Pacific exhibits.
- 1926 **Mr. Geo. F. Webster:** Valuable Maori antiquities.
Mr. H. R. Butcher: Collection of British coins.
Mrs. E. M. Ball: The Thos. Ball Zoological collection.
Mr. F. Crossley Mappin: Ancient Chinese ceramic specimens.
- 1927 **Mr. F. Crossley Mappin:** Valuable Maori carvings.
Mr. Moss Davis: Collection of valuable ethnographical specimens.
- 1928 **Sir Cecil Leys** and
Mrs. Selwyn Upton: Unique and richly carved feather box.
Mr. J. R. Adams Wilkes: Ethnographical collections from Nigeria and New Guinea.
Mr. Harry Kinder: The Dr. Kinder Collection—Maori and Melanesian.

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- Mr. E. Earle Vaile: Important collection of Maori stone carvings and collection of Eastern ethnographical specimens.
- Mrs. S. J. Lushington: Large and important collection of mollusca.
- 1929 Mr. T. H. Barstow: Maori canoe prows and stern posts.
Mr. W. R. McGregor: New Ireland carved memorial figures.
Mrs., Miss and Mr. A. N. Cooper: The Charles Cooper collection of mollusca.
Rev. W. H. Webster: Large collection of N.Z. and foreign mollusca.
Mr. C. E. Clarke: Large collection of N.Z. Insects.
Executors Mr. W. M. Cole: Collection of Stone and Bronze Age Artefacts.
Miss Webster and Mr. G. F. Webster: Water-colour drawings of the Solomon Islands.
- 1930 Mr. John Kenderdine: Large collection of books and pamphlets, including many rare works relating to the early history of New Zealand.
Mr. H. E. Vaile: Addition to the Vaile Collection of a large collection of selected Maori implements and greenstone ornaments.
Mr. Moss Davis: Selected Maori exhibits, including an old Maori model canoe; also porcelain and ivory exhibits.
Mr. L. J. Matthews: Two specimens of Moa eggs, one perfect and the other nearly so.
Dr. L. Cockayne, C.M.G., F.R.S.: A large collection of N.Z. Plants.
- 1931 Sir Cecil Leys and.
Mrs. Selwyn Upton: Valuable Maori antiquities; addition to the Dr. T. W. Leys Collection.
Mrs. S. J. Lushington: Collection of valuable Silver and Sheffield Plate.
Mrs. A. C. Lennard: A large collection of English porcelain.
- 1932 Mr. H. S. Dadley: Large and valuable collection of Oriental Arts.
Mr. Moss Davis: Collections of early British Gold and Silver Coins and of European Ivory Carvings and Bronzes.
Hon. Sir James Parr: Collection of Gold and Silver Mementoes of public events in New Zealand, together with case for their display.
- 1933 Vaile Collection: Additional gift of a large collection of valuable Maori antiquities.
Mr. W. Goodfellow: An extensive ethnographical collection from Northern Melanesia.
- 1934 Miss Eleanor Brown and Mrs. Geo. Brownlee: Collection of heirlooms of the Ngati-toa and Ngati-awa Tribes.
Messrs. R. B. and G. Matthews: The H. B. Matthews Herbarium.
- 1935 Mr. F. Crossley Mappin: Maori Specimens, including hand-somely carved sternpost.
The Admiralty: Model of H.M.S. New Zealand.

GIFTS TO THE Library and Museum.

LIBRARY.

PERIODICALS.

New Zealand Parliamentary Papers and Reports: Hansard, 1935; Monthly Abstract of Statistics, 1935; New Zealand Journal of Agriculture, 1935; Year Book, 1936.
Publications of the Free Library and Art Gallery, Auckland.
Bulletins of the Auckland Society of Arts.
Journal of the Alpine Sports Club, Auckland.
Publications of the Auckland University College.
Bulletins of the Dairy Research Institute, New Zealand.
Fisheries Bulletins, The Marine Department, New Zealand.
Bulletins of the New Zealand Geological Survey.
Publications of the Cawthron Institute, Nelson.
Bulletins of the New Zealand Libraries Association, Christchurch.
Records of the Canterbury Museum, New Zealand.
Bulletins of the Alexander Museum, Wanganui.
Publications of the Council of Scientific and Industrial Research, Wellington.
Journal of the Royal Society of New South Wales.
Bulletins of the New South Wales Department of Agriculture.
Bulletins and Reports of the Technological Museum, Sydney.
The Australian Zoologist.
Records and Memoirs of the Australian Museum.
Proceedings of the Linnean Society of New South Wales.
The Australian Naturalist, Sydney.
Report of the Fisheries of New South Wales.
Memoirs of the Queensland Museum.
Queensland Government Mining Journal.
Proceedings of the Royal Society of Queensland.
Publications of the National Herbarium of Victoria.
Proceedings of the Royal Society of Victoria.
The Victorian Naturalist, The Field Naturalist Club of Victoria.
Memoirs of the National Museum, Melbourne.
Publications of the Council of Scientific and Industrial Research, Melbourne.
Records of the South Australian Museum.
Transactions and Proceedings of the Royal Society of South Australia.
Bulletins of the Geological Survey of West Australia.
Proceedings of the Royal Society of Tasmania.
Transactions of the Fijian Society, Suva, Fiji.
Proceedings of the Linnean Society of London.
Kew Bulletin.
Bulletins of the International Tin Research and Development Council, London.
Publications of the Manchester Museum.
Proceedings and Reports of the Manchester Literary and Philosophical Society.

Journal of the Marine Biological Association, Plymouth.
 Quarterly Bulletins and Reports of the Leicester Museum and Art Gallery.
 Transactions and Proceedings of the Royal Society of Edinburgh.
 Publications of the National Museum of Wales.
 Proceedings and Reports of the Belfast Natural History and Philosophical Society.
 Reports of the National Museum, Dublin.
 Bulletins and Reports of the Valetta Museum, Malta.
 Records of the Indian Museum, Calcutta.
 Publications of the Colombo Museum, Ceylon.
 Bulletins of the Botanic Gardens, Singapore.
 Bulletins of the Raffles Museum, Singapore.
 Occasional Papers of the Rhodesian Museum.
 Annals of the South African Museum.
 Annals of the Natal Museum.
 Annals of the Transvaal Museum.
 Transactions of the Royal Society of Canada.
 Bulletins of the Royal Ontario Museum.
 Bulletins and Reports, Department of Mines, Canada.
 Museum and Art Notes, Vancouver Scientific Association.
 Quarterly Reports of the Vancouver City Museum.
 Bulletins of the Royal Ontario Museum of Archaeology, Toronto.
 Bulletins of the Royal Ontario Museum of Zoology, Toronto.
 Proceedings and Transactions of the Nova Scotia Institute of Science.
 Bulletins of the Independent Biological Laboratories, Palestine.
 Pacific Affairs: Mr. Archey.
 Memoirs, Bulletins and Occasional Papers of the Bishop Museum, Honolulu.
 The Volcano Letter: Hawaiian Volcano Observatory.
 Studies in Natural History, The University of Iowa.
 Publications of the Southwest Museum, Los Angeles.
 Proceedings and Bulletins of the United States National Museum.
 Bulletins and Circulars: United States Department of Agriculture.
 Occasional Papers: The University of Michigan.
 Publications of the Carnegie Institute.
 Publications of the Carnegie Institute of Washington.
 Natural History and Reports, American Museum of Natural History.
 Publications of the Charleston Museum, South Carolina.
 Journal of the Maryland Academy of Sciences.
 Annual Report and Bulletins of the U.S. Bureau of Ethnology.
 Zoological, Geological, Anthropological and Botanical Series: Field Museum of Natural History.
 Publications of the San Diego Society of Natural History.
 Annals of the New York Academy of Sciences.
 Botanical Papers: New York Botanical Garden.
 Proceedings of the California Academy of Sciences.
 Publications of the Chicago Academy of Sciences.
 Publications of the University of California.
 Marine Biology: Stanford University, California.
 Bulletins of the California State Fisheries.
 Publications Biological Survey, The University of Oklahoma.
 Journal of the Arnold Arboretum.
 Proceedings of the Academy of Sciences, Philadelphia.
 Bulletins of the Wagner Free Institute of Science, Philadelphia.
 Publications of the University of Pennsylvania, Philadelphia.
 Publications of the American Midland Naturalist, Indiana.
 Bulletins, Museum of Comparative Zoology, Harvard.

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Meteorological Studies: The Observatory, Harvard University.
 Contributions from the Gray Herbarium of Harvard University.
 Publications of the State College of Washington.
 Publications in Oceanography: The University of Washington.
 Publications of the Hispanic Society of America.
 Annals of the Geological Institute of Mexico.
 Annals of the Museum of Natural History, Buenos Aires.
 Publications and Bulletins of the School of Mines, Buenos Aires.
 Annuaris Observatoris Nacional de Rio de Janeiro.
 Annals of the School of Mines, Brazil.
 Bulletins of the Museum of Natural History, Montevideo.
 Bulletins of the Italian Library, Rome.
 Bulletins of the Laboratorio Zool. Gen. and Agraria, Portici, Italy.
 Publications of the Societa Toscana di Science Naturali, Pisa, Italy.
 Bulletins L'Institut Oceanographie, Monaco.
 Bulletins de la Societe Etudes Oceaniennes, Tahiti.
 Bulletins of the Zoological Society of France, Paris.
 Revista de la Academia de Ciencias, Madrid, Spain.
 Publications Das Museum Für Volkerkunde, Basel.
 Publications of the Zoological Institute and Museum, Athens, Greece.
 Publications D'Océanographie Physique, Finland.
 Publications of the Danish Biological Station.
 Proceedings of the Rjks Ethnograph Museum, Leiden, Holland.
 Publications of the Adviser of Norwegian Fisheries, Bergen, Norway.
 Bulletins of the University Library, Uppsala, Sweden.
 Annales de la Societe Royal Zoologique de Belgique.
 Bulletins and Memoirs of the Royal Museum of Natural History, Bruxelles.
 Bulletins du Jardin Botanique de l'Etat, Bruxelles.
 Transactions of the Museum für Volkerkunde, Hamburg.
 Transactions of the Zoologische Staats-Sammlung, München.
 Publications of the Senckenbergischen Bibliothek, Frankfurt.
 Transactions of the Zoological Museum, Berlin.
 Bulletins of the Deutsche Entomologisches Institut, Berlin.
 Annales of the National Museum, Budapest, Hungary.
 The Philippine Journal of Science, Manila.
 Publications of the Warsaw Zoological Museum.
 Comptes Rendus de l'Académie des Sciences de l'U.S.S.R., Leningrad.
 Problems of Soviet Geology, Central Geological Library, Leningrad.
 Publications of the Society of International Cultural Relations, Tokyo.
 Publications of the Kyoto Imperial University, Japan.
 Publications of the National Geological Survey of China.
 Bulletins of the National Library of Peiping, China.
 Bulletins of the Science Society of China, Nanking.
 Bulletins of the Metropolitan Library, Pekin.
 Jaarboek 1934. The Batavian Museum, Batavia, Java.

REPORTS.

Dominion Laboratory.
 Fisheries Reports, Wellington.
 Auckland Zoological Society.
 Auckland Acclimatisation Society.
 Wanganui Public Museum.
 Otago Public Museum.
 The Canterbury Museum.
 The Philosophical Institute of Canterbury.
 Hawkes Bay Branch of the Royal Society of New Zealand.

Department of Scientific and Industrial Research, Wellington.
 Geological Survey of Western Australia.
 Public Library and Museum, Victoria.
 Mappin Art Gallery, Sheffield.
 Stoke on Trent Museum.
 The Free Public Museums, Liverpool.
 Norwich Castle Museum.
 Public Libraries and Museum, Derby.
 The Egypt Exploration Society.
 Yorkshire Philosophical Society.
 City of Nottingham Museum.
 Colchester and Essex Museum.
 Queen Victoria Museum, Launceston, Tasmania.
 National Museum of Ireland, Dublin.
 Belfast Museum and Art Gallery.
 The Rhodesian Museum.
 John Crerar Library, U.S.A.
 Carnegie Museum, Pittsburgh.
 The American Museum of Natural History, New York.
 National History Museum, Geneva.
 The Philadelphia Museum.

BOOKS.

- Mrs. Arthur Williams: Gudgeon, The Defenders of New Zealand; White, Robert E. Lee and the Southern Confederacy; Manning, Old New Zealand; Slater, 50 Years of Volunteering; Travers and Stack, The Stirring Times of Rauparaha; Gudgeon, Reminiscences of the War in New Zealand; Firth, Nation Making; Cowan, New Zealand or Ao-Tea-Roa; Whitmore, The Last Maori War in New Zealand; Bretts Historical Series Early New Zealand; Moore, With the 4th New Zealand Rough Riders; Davies, The Life and Times of Patuone; Featon, The Waikato War; Bracken, Musings in Maoriland; Gascoyne, Soldiering in New Zealand; Wilson, Sketches, Ancient Maori Life and History; Mair, Jubilee Souvenir of Battle of Orakau.
- Mrs. Laura Jackson: The Household of Gilbert Mair.
- Sir Cecil Leys: The Scottish National War Memorial; Ethnology of Polynesia and Micronesia.
- Sir A. W. Hill: Hooker, Icones Plantarum, Vol. 3, p. 3.
- Akarana Maori Association: Elder, Marsden's Lieutenants.
- Mr. E. S. Kohn: Von den Steinen, Die Marquesaner und Ihre Kunst.
- Mrs. John Kenderdine: Reischek, The Story of a Wonderful Dog.
- Mr. Thomas Mellor: Hooker, The Students Flora of the British Isles.
- Mrs. J. Robb: Kirk's Forest Flora of New Zealand.
- Mr. C. J. O'Keeffe: Freeman, A Tour in South Africa; Cruttwell, The New Universal Gazetteer, 4 Vols.; Knighton, Memoirs of Sir Wm. Knighton, 2 Vols.; Crocker, Adventures in New Guinea; Butter, Ancient Atlas; Bright, Chapters of Early English Church History; Memoirs of Francis Horner; Benson, Arabic Derivations in Hindustani; Prescott, Conquest of Mexico, 3 Vols.; Prescott, History of the Conquest of Peru; Crabbe, The Life of the Rev. George Crabbe; Baker, Handbook of the Iridae; Stanley, A Familiar History of Birds; Churchill, The Story of the Malakand Field Force; Darwin, A Naturalist Voyage; Mudie, The Natural History of Birds.
- Mr. A. Warburton: The Letters of Junius.
- Anonymous: Sellars, Evolutionary Naturalism; Russell, The Evolution of Continuity; Weismann, The Germ-Plasm.

Dr. De Clive Lowe: Pharmacopoeia Collegi Medicorum Regis et Reginae in Hibernia.
 Mr. W. Nicol: Stonehenge, British Rural Sports.
 Dr. Peter Buck: A Miscellaneous Collection of Anthropological Literature.
 The Discovery Committee: Discovery Investigations, Vol. 10, p. 3.
 Mrs. Payne: The Canterbury Chronicle.
 British Museum: Terra Nova Reports, Zoology Vol. 7, No. 5; Natural History, Vol. 4, No. 7.
 Dana Expedition Reports Nos. 3-8.

GIFTS TO MUSEUM.

The Admiralty: Waterline model of H.M.S. "New Zealand."
 Mr. T. S. Alexander: Stone pendant and butt of *patu onciva*, Tauranga: deposited.
 Mr. F. W. Allan: Series of large land snail, *Paryphanta compta*, from Aorere Valley, West Nelson.
 Mr. G. L. Almand: Three recruiting posters.
 Anonymous Donors: Bowl of a clay pipe. Old English clay pipe.
 Mr. F. L. Armitage: Photograph of Villa Pampluli, Rome.
 Mr. J. E. Attwood: Stone adze from Mangatiti Valley.
 Miss M. Baber: Replica of "Lusitania" Medal; collection of ethnographical specimens.
 Mr. G. Alma Baker: Fossil fern and Maori stone sinker from Waikato Heads.
 Mr. G. S. Barker: Specimens of rare land snail, *Placostylus koroensis* Garrett, from Benga Island, Fiji.
 Mr. Neil Barr: Rock inscribed with Maori carving, Glorit.
 Mrs. E. M. Beal: Two stone adzes from Maungatautari.
 Mr. Gordon O. R. Beard: Thirty-three War postcards.
 Mr. E. G. Beauchamp: Photograph of "Emden" after destruction by H.M.S. "Sydney."
 Mrs. R. Belcher: Collection of Melanesian and Polynesian ethnographical specimens: deposited.
 Mr. A. E. Bennet: Small stone adze from Tairua.
 Mr. A. W. Bethune: Two land snails *Paryphanta hochstetteri obscura* and *Rhytida stephenensis*, from Stephen Island, Cook Strait.
 Dr. A. E. Blackburn: Etching of Charles Darwin (from Collier's portrait).
 Mr. J. Bradshaw: Stone adze from St. Heliers Bay.
 Mrs. A. E. Brady: Seven pattern blocks used as transfer patterns.
 Mr. G. R. Brookes: Unpolished stone adze from Panmure.
 Mr. Henry Brown: Obsidian core from Pakiri and stone adze from Tara.
 Rev. H. D. Brown: Six arrows from Solomon Islands.
 Mr. W. F. Barnard Brown: Manuscript dated 1678: deposited.
 Mr. H. W. Browne: Paddle and Fishing weight from Bradley's Landing.
 Dr. P. H. Buck: Collection of Polynesian and Melanesian ethnographical specimens.
 Master Tony Buckman: Puriri moth, from Remuera.
 Sur.-Comm. R. Buddle: Three Russian Church Ikons.
 Mr. H. N. Burgess: Carpet lizard, *Haplodactylus maculatus*, from Waiheke Island.
 Capt. H. W. Burgess: Plaited string bag for carrying infant, from Salamaoa, New Guinea; enlarged photograph of Samoan Contingent, N.Z.E.F., at Noumea; *Nopi* or implement used when manufacturing red feather money, from Santa Cruz.
 Messrs. John Burns and Co.: Large Dragon-fly, *Uropetala carovei*.

- Mr. R. Burrows: Yellow lizard, Pirongia.
 Mr. H. H. Callcott: Chinese carved wooden figure, three Swiss wood carvings, and bone model of man-o'-war made by prisoners during Napoleonic Wars: deposited.
 Mrs. J. P. Campbell: Long-tailed finch; Japanese acrobatic Tit; Star finch; Western Tanager.
 Mr. R. D. Campbell: Gordian worm, from King Country.
 Miss Sarah Campbell: Grandfather clock made in Scotland in 1830.
 Mr. M. Carey: Small stone adze, from Cape Colville.
 Miss M. Carr: Cock pheasant, first shot in Auckland on the morning of the first issue of shooting licences.
 Miss Clara Cheeseman: Seaweeds and leaf skeletons.
 Mr. A. J. Clark: Series of fossil mollusca; specimens of rare mid-Pliocene mollusc, *Struthiolaria frazeri*, from Hawke's Bay.
 Mr. N. A. Clifton, Jr.: Spine-tailed swift, *Chaetura candacuta*, from Mokau.
 Colonial Sugar Refining Co. Ltd.: Case of sugar cane, and eight jars of material used in manufacture of sugar.
 Mrs. F. Cook: English china; Indian gong, two Malay Kris; Maori adze, from Churchill.
 Mr. Coombes: *Charagia virescens*.
 Mr. Cossgrove: Male puriri moth.
 Mrs. E. T. Costello: First and other copies of "Te Toreia."
 Mr. W. J. Crowther: Crested Starling, Mexican Blue Jay, Golden-fronted Fruit-sucker, Lazuli Bunting, and Indian Bank Myna.
 Miss G. Daldy: Six-chambered revolver and powder flask.
 Mr. A. J. Dale: Bomb dropper from a German Zeppelin.
 Captain Daniel: Three specimens of marine fishes.
 Master John Davenport: Skull of common Dolphin, from Puhoi Beach.
 Mr. V. C. Davies: Stone flax beater, from Oakura.
 Mr. W. C. Davies: Four lantern slides.
 Mr. H. R. Dix: Photograph of Mingun Bell, Upper Burma.
 Mr. L. T. Donaldson: Collection of seaweeds.
 Mr. T. W. Downes: Stone adze, from Wanganui.
 Mr. David Draffin: Specimen of kauri gum, from Solomon Islands.
 Mr. F. Dryland: Fourteen German Mark notes.
 Mr. George Ebbett: Barbed whalebone point of harpoon.
 Mrs. Edwards: Large Dragon-fly, *Uropetala carovei*, from Birkenhead.
 Egypt Exploration Society: Collection of antiquities, from Tell el Amarna and Deir el Bahari.
 Mr. W. J. Elliot: Pod of the Ziangarara tree, from Solomon Islands.
 Boys' Ethnological Club: Collection of stone adzes, fish-hooks and fragments, from Opito and Otama.
 Mr. W. A. Fairclough: Greenstone chisel and ear pendant.
 Mr. C. W. Firth: Collection of geological specimens.
 Dr. R. W. Firth: Piece of bark cloth, from Uganda.
 Mr. C. A. Fleming: Two new species of Tertiary mollusca, from Cape Runaway.
 Mr. H. Fleming: Human skull, from Waiheke Island.
 Mr. C. Reginald Ford: Cup and saucer of New Hall porcelain.
 Dr. O. H. Frankel: Sixty-one bundles of wheat specimens.
 Family of late Robert Frater: Stone adze, from Thames.
 Mr. A. Frith: Green Bulbul.
 Mr. E. T. Frost: Moa skeleton, Maori articles and bones of extinct Maori dog, from Tokerau, Doubtless Bay.
 Mrs. Gane: Silver coin.
 Mr. Carl Geissler: Stone flax beater with carved butt, from Taranaki.

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- Miss M. Gillman: Two specimens of American King Crab.
 Mr. B. Given: Collection of mollusca and bones of moa, from Whangarei.
 Messrs. Going Bros.: Fossil fish remains, from Kamo.
 Mr. Harry Goldie: Photograph of giant kauri.
 Mr. Geo. Graham: Melanesian ethnographical specimens.
 Mr. F. Grayson: Iron and bronze articles found in shell-hole, Northern France: deposited.
 Mr. R. Grieve: South African and Great War trophies.
 Mrs. L. T. Griffin: Small ale glass; two glass vases, jug, necklace, stone figures and two large vases.
 Mrs. C. F. Griffiths: Collection of Australian birds' eggs.
 Sir James Gunson: N.Z. Ensign carried in Victory March, London, 1919.
 Miss B. Guthrie: Chinese writer's ink-case, scroll and brush-holder.
 Mr. A. Hardwick: Bone of whale.
 Miss Joan Hastings: Skull and portions of beaked whale: deposited.
 The Principal, Hastings High School: Mole cricket, *Gryllotalpa coarctata*.
 Mr. L. Henderson: Detonator from harpoon head and oil stone, from South Shetland Islands.
 Mrs. Hewitt: Two cedar cones, from England.
 Mrs. W. J. P. Hodgkins: Ethnographical specimens, spotted kiwi, and war souvenirs.
 Mr. Richard Hoffman: Two Graeco-Egyptian Mummy portraits: deposited.
 Captain G. Humphreys-Davies: Badge of 2nd Life Guards carved in chalk, from trenches in Flanders.
 Mrs. H. Hunt: Spencer repeating carbine.
 Masters Phillip Hutchinson and Kewa MacGregor: Mussel dredge, from Opoutere.
 Mr. A. H. Hynes: Carving on antler base: deposited.
 Master L. Ireland: Stone adze, from Rangitoto Island.
 Mr. A. L. Ironmonger: "Cordon bleu" finch; black-throated finch.
 Mr. Johnston: N.Z. Shoveller, from Waikato.
 Major H. Jolly: Oak cider jug, pair of duelling pistols, horse pistol and fowling piece.
 Mr. A. C. Kaberry: Specimens of rare heteropod mollusc, *Pterotrachea coronata* Forsk.
 Mr. A. E. Kemp: Specimens of *Tonna haurakiensis* Hedley.
 Mrs. J. Kenderdine: Powder flask, three old notebooks and diaries, two bone spoons and Eskimo knife in bone sheath.
 Dr. H. R. Kirker: Machine gun belt and case.
 Mr. E. S. Kohn: Commemorative medal of Colonial and Indian Exhibition, London, 1886: tangiwai ear pendant, adzes and "Racca" pottery bowl.
 Mr. N. Kokich: Rare starfish, *Asterodiscus* sp.
 The late Mrs. Maye Lambert: Papier mache chair.
 Father Lavelle: Stone adze.
 Mr. Geo. Leaity: Fragment of cartouche box, from Taheke.
 Mr. Edwin Leece: Silver half-dollar of Republic of Panama.
 Mr. D. Lewis: Ethnographical specimens.
 Mr. A. R. Lomas: Partial albino of common crayfish.
 Mr. A. G. Lunn: Specimen of pyrites in stalactitic form; samples of borings through limestone; spherulitic obsidian; menu of dinner given to Captain and Officers of H.M.S. New Zealand; set of new issue of N.Z. silver coinage in case; clay pipe; swordfish vertebra; white ants, from Devonport.
 Mr. MacClure: Collection of mineral specimens, and forty-five war stamps.
 Mr. Norman Mair: Whale-ivory Aurei and red ensign flown at Te Teko in 1865: deposited.

- Mr. F. Crossley Mappin: Exceptionally fine carved canoe stern-post; moa skeletons, from Waikaremoana.
- Dr. P. Marshall: Large collection of selected rock and mineral specimens.
- Mrs. Marshall: Vase, two whale's teeth and baleen of right whale.
- Dr. J. Marwick: Specimen of *Cellana radians flava*, from Marlborough.
- Mr. D. E. S. Mason: Rare crab, *Ommatocarcinus macgillivrayi* White, from Bluff.
- Mrs. W. C. Maxwell: European plate, enamel and porcelain and Chinese vases, large Yao basket: deposited. Pottery and ebony carvings from Uganda, and Maori stone adzes.
- Mr. L. A. Meldrum: Three stone adzes, from Te Puke.
- Miss M. K. Mestayer: Large series of deep water dredgings.
- Mr. M. H. Miller: Old pottery bowl, from Viti Levu; fragments of native pottery and wooden points used in game of Tiqua.
- Miss Moir: Hand woven linen sheet made in 1847.
- Captain G. B. Morgan: Eastern Golden Plover.
- Mrs. M. Mouatt: Specimens of *Paryphanta* from Kaituna Valley, West Nelson.
- Mr. P. Munn: Two *Ko*, or digging sticks, from Kaitaia.
- Mr. C. C. Munro: Large wooden food-bowl or *kumete*, from Clevedon.
- Mr. W. H. McAlpine: Two vegetable caterpillars.
- Mr. H. S. McCully: Broken stone chisel and retouched flake from adze, South Canterbury; twenty-three stone flakes, from Otago and Canterbury.
- Mr. J. McDavitt: Fossil echinoderms of mid-Tertiary age, from Greymouth.
- Mr. F. McDonald: Piece of obsidian with crystal of rhyolite.
- Mr. W. R. McGregor: Large fresh water crustacean, *Astacopsis serratus*, from New South Wales.
- Mrs. Alberta McLean: Rare deep-water fish, *Lophotes guntheri* Johnston.
- Mr. G. McLeod: Fragments of skull, from Waiheke Island.
- Mr. G. A. McMillan: Collection of ethnographical specimens.
- Mrs. N. A. Nathan: Piece of kauri gum.
- Mr. R. S. Newcomb: Silver coin.
- Mr. Geoff. Nevill: Ethnographical specimens and two photographs of Taheretikitiki canoe.
- Mr. E. Nichol: Slab of basalt, from Waihue.
- Mr. A. L. Nugent: Hardwood drawer front from Peking Palace in Tartar City: deposited.
- Mr. A. C. O'Connor: Cast of greenstone chisel; mutton birds, from Chatham Islands.
- Mr. C. J. O'Keeffe: Collection of percussion caps and cartridges.
- Mr. E. J. Osborne: Giraud's Oriole, white bearded honey-eater, Cordon bleu finch.
- Mr. C. A. Paap: Collection of African ethnographical specimens.
- Mr. Aubrey B. Patton: Race card of Melbourne Cup, 1890.
- Mr. Gerald L. Peacocke: Two wild boar jaws with malformed tusks.
- Mr. P. Pearson: Femur of moa, from Patetonga; *hinaki* or eel trap.
- Mr. H. J. Perkins: Centipede.
- Mr. S. D. Potter: Mounted collection of New Zealand moths and butterflies.
- Mr. A. W. B. Powell: Bowl and broken stem of clay pipes from Maori midden: top of *patu onewa*; greenstone adze.
- Mr. Pulham: Transverse section of mottled kauri.
- Mr. A. T. Pycroft: Four arrows from Torres Straits; War number of Illustrated London News; specimens of Jasperised Agate; blade of *patu onewa* and plaited mat.

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- Mr. Lansley Pycroft: Collection of natural history specimens, from Jamaica, and Panama shilling.
- Mr. W. H. Quelch: German detonator carrier.
- Mr. H. P. Richmond: Maori calendar made of cartouche paper.
- Mrs. J. Robb: Ivory box with carved lid, and old thumb ring.
- Sir Carrick Robertson: Collection of Melanesian ethnographical specimens; moa bones from Kopaki, Te Kuiti.
- Miss Robinson: Geological specimens: deposited. Gypsum crystals, granite, shellite and cast of mussel.
- Mr. Herbert C. Rogers: Specimens of Harvestmen.
- Mr. A. Rawson: Collection of Australian ethnographical specimens.
- Mr. W. C. Rhodes: Greenstone ear pendant: deposited. Ethnographical specimens from Kaikoura.
- Messrs. Sanford Ltd.: Common Dolphin; *Halientaea brevicauda* Ogilby, from White Island.
- Mr. W. E. Sargent: Legal documents made during 17th and 18th Centuries: ethnographical specimens from West Africa.
- Mr. E. G. Scott: Ethnographical specimens from Tauranga.
- Mr. Geo. Scott: Iguana, *Chloroscirtes fasciatus*, from Tonga.
- Mr. Scott: Collection of bones from stream cave, Bexley Station.
- Rev. A. J. Seamer: Collection of Australian ethnographical specimens: deposited.
- Mr. T. Thorne Seccombe: Set of leg-irons from H.M.S. Buffalo, wrecked at Mercury Bay in 1836.
- Master Micky Sheeran: Three kumara weeders, two fern-founders and two adzes, from Awanui.
- Mrs. Sheppard: Large perforated stone sinker decorated with spiral carving, from Tauranga.
- Mr. J. Shirley: Black rock cod, *Epinephalas damellii*, from Brown's Bay.
- Mr. V. Simms: Food bowl and fern heater, from Otorohanga.
- Miss H. E. A. Small: Model Samoan house.
- Mrs. T. Smith: Collection of native and introduced birds.
- Mr. V. Smith: Ethnographical specimens, from Otago.
- Mr. T. J. H. Speedy: "Brunei" parang with trophies of human hair attached.
- Mr. H. Steele: Ethnographical specimens, from Katikati.
- Mr. J. Storey: Large stone adze, from Panmure.
- Mr. S. Strongman: Specimens of conglomerate and limestone, from Amodeo Bay.
- Mr. M. Stranger: Small grooved fishing weight, from Kawhia Heads.
- Mr. A. E. Thode: Tasmanian tree wasp nest, from Herne Bay.
- Mr. K. Thompson: Several tufts of native dogs' hair; shell pendant, from Whatipu.
- Mr. W. Thorpe: Two spears, from Solomon Islands and Africa.
- Mrs. J. M. Todd: Photograph of grave of soldiers of the N.Z. Rifle Brigade killed in Egypt on Christmas Day, 1915.
- Mr. K. Torey: Collection of pressed ferns.
- The Treasury, Wellington: Two sets of new issue of N.Z. silver coinage.
- Vaile Collection: Greenstone *horo* or flax-scraper pendant, from Mangere; marlinspike in whalebone.
- Mrs. R. A. Vibert: French cup and saucer: deposited.
- Mr. L. Warnock: Sword of the 65th Regiment.
- Mr. A. H. Watt: Natural history specimens.
- Mr. R. Webb: *Waka huia*, from Waimai Valley, West Coast.
- Messrs. Josiah Wedgwood Ltd.: Set of plaques and Wedgwood pottery.
- Mrs. Wedgwood: Copy of original letter from Captain Hobson.
- Mr. B. Williams: Fresh water and marine mollusca.

Mr. A. T. Williamson: Letter from Lieut.-General Congreve.
Mr. E. Wilson: Concretions.
Mrs. R. Wilson: Two fine specimens of Californian *Haliotis* shells.
Mr. Wilson: Small greenstone pendant from Mercury Bay.
Mr. F. L. Witten: Partial albino pheasant.
Mr. R. H. Woodhouse: Fine specimen of *Argonauta tuberculata*.
Mr. F. Worsfold: Collection of Maori ethnographical specimens.
Mrs. F. H. Worsfold: Specimen of *Turbo petholatus*.
Miss Ivy F. Wright: Two cups and saucers and Wedgwood baking dish:
deposited.
Zoological Park: Specimens of Kea, Secretary Bird, Natal Blue Dwykerbok,
Forster's Lory and young Kea, Malayan Sun-bear, and Indian elephant.

Members of the Auckland Institute.

(Members are requested to advise the Secretary of any change
of Address)

HONORARY LIFE MEMBERS.

Sir Cecil Leys

Mr. H. E. Vaile.

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Houghton, C. V.
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Hutchison, G. W., C.M.G.

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Johnstone, Hallyburton.
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Jones, Hugh K.

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Kerry, T. C.
Keys, L. T.

Laidlaw, R. A.
Larner, V. J., M.B.E.
La Roche, W.
Lunn, A. G.

Macindoe, Charles G.
Mackenzie, Sir Clutha.
Macky, Dr. F.
McCallum, W. F.
McCoy, H. C.
McMillan, G.
McMillan, G. A.
Major, C. T., C.B.E., D.S.O.

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Moodie, F. L.
Montgomery, T. E.
Morpeth, H.

Morrison, Miss A. C.
Morton, E.
Murray, Dr. D. N. W., C.M.G.,
D.S.O.

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Philcox, T.
Pycroft, A. T.

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Reyburn, W. R.
Rhodes, E. H.
Rishworth, J. N.
Robertson, Sir Carrick,
F.R.C.S.
Rogers, D.
Rogerson, H. M.
Russell, Miss M. A. N.
Russell, E. R. N.

Shaw, C. J.
Shroff, H. R.
Smith, Sir Joseph, C.I.E.
Smallwood, T. N.
Sperrin-Johnson, Professor
J. C., Litt.D.
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Stevenson, J. M.
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Turner, E. C.

Upton, P.

Vaile, E. Earle.

Walker, A. Howey.
Wells, T. U., M.A.
Williamson, Julius W.
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Wilson, Sir George.
Wilson, J. M.
Wilson, Liston.
Wilson, Martyn.
Wilson, Mrs. R. M.
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Winstone, W. P.
Wood, Rt. Rev. C. J., D.D.
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Wylie, D. S.
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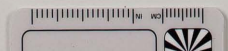
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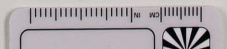
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